

## CLAIMS

What is claimed is:

1           1.       A purified nucleic acid encoding a polypeptide having an amino acid  
2       sequence selected from the group consisting of SEQ ID NOs: 2-23.

1           2.       The purified nucleic acid of claim 1, wherein the polypeptide has the  
2       amino acid sequence of SEQ ID NO: 2.

1           3.       The purified nucleic acid of claim 1, wherein the polypeptide has the  
2       amino acid sequence of SEQ ID NO: 3.

1           4.       The purified nucleic acid of claim 1, wherein the polypeptide has the  
2       amino acid sequence of SEQ ID NO: 4.

1           5.       The purified nucleic acid of claim 1, wherein the polypeptide has the  
2       amino acid sequence of SEQ ID NO: 5.

1           6.       The purified nucleic acid of claim 1, wherein the polypeptide has the  
2       amino acid sequence of SEQ ID NO: 6.

1                    7.            The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 7.

1                    8.            The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 8.

1                    9.            The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 9.

1                    10.           The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 10.

1                    11.           The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 11.

1                    12.           The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 12.

1                    13.           The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 13.

1 14. The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 14.

1 15. The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 15.

1 16. The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 16.

17. The purified nucleic acid of claim 1, wherein the polypeptide has the  
amino acid sequence of SEQ ID NO: 17.

18. The purified nucleic acid of claim 1, wherein the polypeptide has the  
amino acid sequence of SEQ ID NO: 18.

1 19. The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 19.

1 20. The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 20.

1                    21.        The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 21.

1                    22.        The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 22.

1                    23.        The purified nucleic acid of claim 1, wherein the polypeptide has the  
2 amino acid sequence of SEQ ID NO: 23.

24.        The purified nucleic acid of claim 1, wherein the nucleic acid encodes  
a polypeptide consisting of an amino acid sequence selected from the group consisting of SEQ ID  
NOs: 2-23.

25.        The purified nucleic acid of claim 24, wherein the polypeptide consists of  
the amino acid sequence of SEQ ID NO: 2.

1                    26.        The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 3.

1 27. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 4.

1 28. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 5.

1 29. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 6.

1 30. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 7.

1 31. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 8.

1 32. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 9.

1 33. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 10.

1 34. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 11.

1 35. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 12.

1 36. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 13.

1 37. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 14.

1 38. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 15.

1 39. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 16.

1 40. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 17.

1 41. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 18.

1 42. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 19.

1 43. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 20.

1 44. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 21.

1 45. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 22.

1 46. The purified nucleic acid of claim 24, wherein the polypeptide consists of  
2 the amino acid sequence of SEQ ID NO: 23.